



## ABRASION RESISTANT POLYCARBONATE

**Abrasion Resistant Polycarbonate** is a sheet that offers higher abrasion resistance and surface hardness while providing a glass-like transparency. **Abrasion Resistant Polycarbonate** features a proprietary hard-coat technology for protection against vandalism, chemical and harsh UV rays, resulting in the ultimate blend of clarity, strength and durability for high-traffic applications.

### KEY FEATURES

- 10 year warranty
- Outstanding impact strength
- Highly resistant to breakage compared to glass
- Hard-coated surfaces
- Excellent optical clarity
- UV & weather resistant
- High chemical & abrasion resistant

### PRODUCT APPLICATIONS

- Protective & security glazing
- Machine guards
- Safety shields
- Signage & display covers

### COLOURS



Coloured swatch may not represent physical product.

### PROPERTIES

| GENERAL                                 | RESULTS               |
|---|-----------------------|
| Weight (9.5mm)                          | 11.4kg/m <sup>2</sup> |
| Relative Density                        | 1.2g/cm <sup>3</sup>  |
| Cleaning: Warm soapy water & soft cloth |                       |
| MECHANICAL                              |                       |
| Tensile Strength                        | 9,500psi              |
| Flexural Strength                       | 13,500psi             |
| THERMAL                                 |                       |
| Service Temperature                     | 50-100°C              |
| Vicat Softening Temperature             | >115°C                |
| Expansion/Contraction Rate              | 3mm/m                 |
| Flammability                            | Group 1S              |

### PRODUCT RANGE

| COLOUR  | GAUGE           | SIZE        |
|---|-----------------|-------------|
| Clear   | 9.5mm           | 2440x1220mm |
| Clear<br>Grey Tint  | 9.5mm<br>12.7mm | 2440x1830mm |
| Cut to size available upon request<br>Green Tint colour available on indent |                 |             |

